State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-227
Relating to Certification of New Motor Vehicles

DELOREAN MOTOR CARS LIMITED

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That DeLorean Motor Cars Limited exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered passenger cars.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
BDL174V6FB3	174 (2.9)	Three-Way Catalyst with Closed Loop (Mechanical Fuel Injection)

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1981 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
BDL174V6FB3	0.23	3.4	0.3

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That DeLorean Motor Cars Limited has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 31st day of March, 1981.

K. D. Drachand, Chief
Mobile Source Control Division

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Engine Family BDL174V6FB3 Evaporative Family E1

ABBREVIATIONS Engine CID (Liters) 174 (2.9)

Ignition System
CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Exhaust Emissions Control System
AIP-Air Injection-Pump
AIV-Air Injection-Valve
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
TR-Thermal Reactor
TWC-Three Way Catalyst System

Special Features
CCV-Combustion Chamber Valve
CFI-Central Fuel Injection
DI-Diesel Injection
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

Fuel System
CFI, DI, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Vehicle Models

DeLorean

E.O. #A-227

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X Passenger Cars __ Light-Duty Trucks __ Medium-Duty Vehicles X Gas __ Diesel

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Engine Family BDL174V6FB3 Engine Code

ECS (Special Features) TWC/CL (MFI) CID (Liter)- 174 (2.9) Type V6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight *	Ign. System CA,VA,EI Mfgr. Part No.	Fuel System (MFI) Mfgr. Part No.	EGR Valve Part No.	Label Ident. Part No.
1	DeLorean	A3 M5	3125(2)	Bosch 0237 402 023 DMC Part No. 102751	Bosch Electronic Control Unit 0280 800 023 or 0280 800 050(1) DMC Part No. 101068 or 110 067 (1) Control Pressure Regulator 0580 254 984 DMC Part No. 102353 Injection Unit 0438 060 044 DMC Part No. 102770(1)	NA	See attachment 1B.

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 033181
(1) Changed per running change DMC-003. 102181
(2) Changed per running change DMC-004. 102181

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VEHICLE EMISSION CONTROL INFORMATION

MANUFACTURER: DELOREAN MOTOR CARS Ltd ENGINE DISPLACEMENT : 174 CU IN
EVAPORATIVE FAMILY : E1 ENGINE FAMILY : BDL 174 V6 FB3
EXHAUST EMISSION CONTROL SYSTEM: FI, EGS, TWC, ENGINE CODE 1

TUNE UP SPECIFICATIONS WITH NO ACCESSORIES IN OPERATION AND TRANSMISSION IN NEUTRAL

ITEM	CONDITIONS	SPECIFICATIONS
IGNITION TIMING	IDLE RPM 775 VACUUM HOSE DISCONNECTED	$13^{\circ} \pm 2^{\circ}$ BTDC
IDLE AIR FUEL MIXTURE	OXYGEN SENSOR DISCONNECTED IDLE RPM ADJUSTED TO 950 CO SAMPLED FROM TAPS UPSTREAM OF CATALYST. VACUUM HOSES CONNECTED	IDLE CO 1·0 ± 0·3% (FOR EACH BANK)
IDLE R.P.M.	OXYGEN SENSOR CONNECTED	775 ± 50 R.P.M.
VALVE LASH	COLD ENGINE	INLET 0·004–0·006 INCHES. EXHAUST 0·010–0·012 INCHES.

THIS VEHICLE CONFORMS TO US E.P.A. AND CALIFORNIA ARB REGULATIONS APPLICABLE TO 1981 MODEL YEAR NEW LIGHT DUTY VEHICLES.
COMPLIANCE DEMONSTRATED BELOW 4000 FEET.

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